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(72) Inventors; and

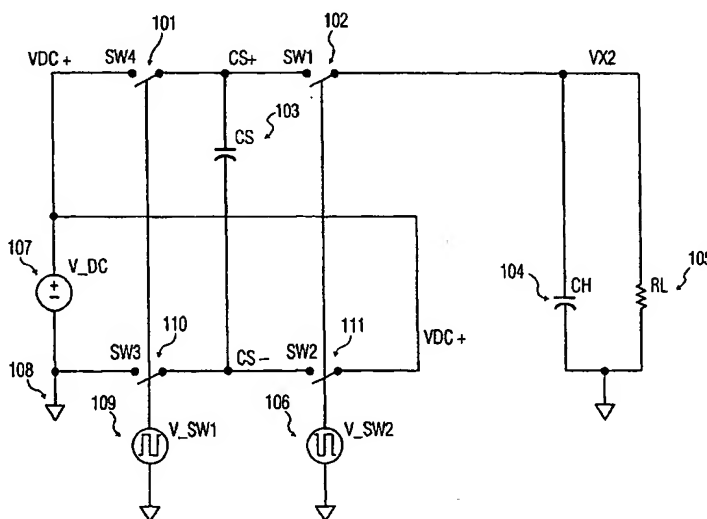
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Declaration under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH,

[Continued on next page]

(54) Title: INTEGRATED FLOATING POWER TRANSFER DEVICE WITH ELECTROMAGNETIC EMISSION CONTROL CIRCUIT AND METHOD



(57) Abstract: An electromagnetic emission control circuit and method are provided for a power transfer device having a floating bus (214, 215) driven by a power and data system (107, 301, 310, 103). The electromagnetic emission control circuit includes one or more switch control circuits (402, 411) coupled between the floating bus and the power and data system for facilitating charging of the floating bus and for controlling electromagnetic emission from the power transfer device by constraining a slew rate on the floating bus. In one embodiment, the one or more switch control circuits include a first switch control circuit (402) electrically coupled to a high side bus node (214) of the floating bus and a second switch control circuit (411) electrically coupled to a low side bus node (215) of the floating bus. Transfer characteristics of the first and second switch control circuits are tailored to constrain the slew rate on the floating bus.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H03K19/0175 H03K19/003

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 154 061 A (BOOMKAMP ALOYSIUS J M ET AL) 28 November 2000 (2000-11-28) abstract; figure 1	1-4,6, 10-16,18
A	US 4 945 267 A (GALBRAITH DOUGLAS C) 31 July 1990 (1990-07-31) figure 2	1,10,14
A	US 6 052 019 A (KWONG DAVID) 18 April 2000 (2000-04-18) figure 7	1,10,14

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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- * & * document member of the same patent family

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Information on patent family members

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